

MODELS: Beechcraft C17R (Army UC-43E), SC17R

T.C. NUMBER: ATC 604

I - SPECIFICATIONS PERTINENT TO ALL MODELS LISTED BELOW:

Fuel	98 gallons (3 tanks: fuselage front 28 gallons (+32), fuselage rear 47 gallons (+55) and lower wing 23 gallons (+24))
Oil	6 gallons (-13)
No. passengers	4 maximum (front +19, rear +60.5) (See NOTE 3)
Baggage	125 lbs. maximum (+86) (See NOTE 3)
Spec. basis	Approved Type Certificate No. 604
Serial Nos.	C17R-73 and up manufactured prior to 9/30/39 and all AAF Nos. of UC-43E eligible. Approval expired as of 9/30/39.
EQUIPMENT: (Datum is lower wing leading edge) (* Means net increase)	

Class I:

- A. Landplane
- 101. Engine ring cowl 28 lbs.
  - 102. Starter (Eclipse E-80) 20 lbs.
  - 103. Generator - 15 amp (Eclipse 3-1) 15 lbs.
  - 104. Battery (Exide 6TS-13-1) (Under baggage compartment) 36 lbs.
  - 105. Control column - Swing-over or "T" type (Inspector should report type installed)
  - 106. Oil radiator (Harrison) 8 lbs.
  - 107. Propeller - fixed pitch metal
  - 108. 6.50-10 or 7.50-10 wheels (Hayes) (Wheels must be approved for at least 1950 lbs. per wheel and must be placarded for 7.50-10 6-ply tires) 75 lbs.
  - 109. 10x3 tail wheel
- B. Seaplane - Items 101 thru 106, 203 and 210 PLUS
- 151. Edo 39-4000 float installation with water rudder 527 lbs.

Class II:

- 200. Miscellaneous items as noted in approved weight and balance report.
- 201. Miscellaneous extra instruments
- 202. Propeller - Hamilton Standard adj. metal
- 203. Propeller - Hamilton Standard hub 2D30 with:  
Blades 6095A-12 to 6095A-17, inclusive, or blades 6101A-18 to 6101A-23, inclusive, or blades 6167A-12 to 6167A-17, inclusive. Diameter 102 in. maximum, 96 in. minimum.
- 204. Special landing gear complying with Canadian requirements for ski installation
- 205. Landing lights
  - (a) Under lower wing (Grimes) 3.5 lbs. each (+18)
  - (b) In wheel well (Hall) 3.5 lbs. each (+37)
  - (c) S & M Use actual weight
- 206. Flares (Drawing I-17004)
- 207. Radio, variable (location and actual weight of installation includes controls, etc., or name of manufacturer if already installed and included in certificated weight empty should be noted on inspector's report.) (Drawing I-17002 shows approved locations.)
- 208. Shielding
  - (a) Breeze 15 lbs.
  - (b) Packard 10 lbs.
- 209. Extra door on right side 6 lbs.\*
- 210. Extra 23 or 25 gallon fuel tanks in wings, upper (+45.5) and lower (+24) 20 lbs. each  
(Any combination of fuel tanks include removal of the fuselage tanks may be used subject to inspector's approval and provided weight and balance accounts for actual installation.)
- 211. Oil tanks
  - (a) 7 gallons (-13)
  - (b) 9 gallons (-13)
  - (c) 10.3 gallons (-13)
- 212. Generator - 25 amp (Eclipse) 20 lbs.
- 213. Golf bag compartment (Drawing I-17006). In bay aft of, and opens into, baggage compartment. Maximum capacity 70 lbs. golf bag and clubs only.
- 214. Parachutes or parachute type chairs.
- 215. Seaplane corrosion protection 20 lbs.
- 216. Pressure fire extinguisher (Drawing I-17001) (Container at +14)
- 217. Metal tank cover (Drawing I-17003)
- 218. Camera well (Drawing I-17006)
- 219. Ballast installation Maximum 25 lbs. (+210)
- 220. Special tool compartment in tail, including tools 25 lbs. (+218)
- 221. Camera installation (Drawings B17E015,

B17E016, and B17E902):  
 Camera and viewfinder 110 lbs. (+51);  
 operator's stool 4 lbs. (+65);  
 25 gallon fuel tank in baggage  
 compartment 15 lbs. (+86).  
 Remove: rear seat 31 lbs. (+62); cover  
 plates for camera and viewfinder 3 lbs.  
 (+51) and rear fuselage fuel tank (+55)

222. Skis  
 (a) Pollack P-4600

B. Seaplane: Items 205 thru 221

Class III:

301. 24 in. streamline wheels (Hayes)  
 with 6-ply tires 75 lbs.  
 (Wheels must be placarded for 6-ply  
 tires)

302. Puncture proof tubes  
 (a) 7.50-10 9 lbs.\*  
 (b) 24 in. streamline 5 lbs.\*

303. Tail wheel steering device No change in weight

304. Electric motor and installation for  
 auxiliary to manually operated  
 retracting gear (25 amp fuse required) 8 lbs.\*

NOTE 1. The following placards were required on serial No. 74 when  
 originally certificated:

- (a) At the fuel valve: "USE MAIN FUSELAGE TANKS FOR TAKE-OFF AND  
 LANDING. USE FUEL OUT OF AUXILIARY LOWER WING TANKS BEFORE  
 EMPTYING MAIN TANKS."
- (b) At rear fuselage fuel tank: "AS 4-PLACE 47 GALS., AS 5-PLACE  
 27 GALS."
- (c) Baggage placarded to 75 lbs.

Similar instructions must be placed in subsequent airplanes when the  
 actual weight and balance report is based on any but the most adverse  
 (from balance standpoint) use of the fuel. Inspector's report and  
 weight and balance report should specify restrictions applicable.

NOTE 2. Eligible for export as follows, subject to inspection for equipment  
 specified in Chapter XII of Inspection Handbook: (9/30/39)

- (a) Canada
  - Landplane
  - Seaplane - maximum standard weight 4000 lbs.
  - Skiplane - not eligible. However, structure complies with  
 Canadian requirements for ski installation when approved  
 special landing gear (Item 204) is installed.
- (b) All other countries except Australia

NOTE 3. Five place type must be placarded for 75 lbs. when 3 passengers  
 occupy rear seat unless more is substantiated in weight and balance  
 report. Baggage includes anchor and rope 25 lbs. when carried.

II - MODEL C17R (UC-43E), 5 PCLB:

Engine Wright R-975E-3 or R-975E-2

Placard limits

A. With fixed metal or adj. metal propeller

Maximum, except take-off 33.0 in.Hg., 1800 rpm (330 hp)  
 or 31.5 in.Hg., 1900 rpm (330 hp)  
 or 29.5 in.Hg., 2000 rpm (330 hp)  
 or 28.5 in.Hg., 2100 rpm (330 hp)

Take-off (one minute) -- in.Hg., 1900 rpm (365 hp)  
 or 35.0 in.Hg., 2200 rpm (420 hp)

B. With controllable metal propeller

Maximum, except take-off  
 (Below 4000 ft.) 28.5 in.Hg., 2200 rpm (330 hp)  
 (4000 ft. and up) 27.0 in.Hg., 2200 rpm (330 hp)

Take-off (one minute) 35.0 in.Hg., 2200 rpm (420 hp)

Placard speeds Level flight or climb - 206 mph True Ind.  
 Glide or dive - 225 mph true Ind.  
 Flaps extended - 100 mph True Ind.

Standard weight 3915 lbs.

C.G. limits (+16.6) and (+29.0)

III - MODEL SC17R, 5 PCSB:

Engine Wright R-975E-3 or R-975E-2

Placard limits Maximum, except take-off  
 34.5 in.Hg., 2200 rpm (420 hp)

	Take-off (one minute)
	35.0 in.-Hg., 2200 rpm (420 hp)
Propeller	Controllable metal only (Item 203)
Placard speeds	Level flight or climb - 178 mph True Ind.
	Glide or dive - 216 mph True Ind.
	Flaps extended - 100 mph True Ind.
Standard weight	4105 lbs.
C.G. limits	(+17.5) and (+25.9)